

**REMARKS**

Reconsideration and allowance of the above-referenced application are respectfully requested.

**I. STATUS OF THE CLAIMS**

Claims 1, 7 and 15-18 are amended herein.

In view of the above, it is respectfully submitted that claims 1, 3-7 and 9-18 are currently pending and under consideration.

**II. REJECTION OF CLAIMS 1, 3-7 AND 9-19 UNDER 35 U.S.C. 102(B) AS BEING ANTICIPATED BY YIN ET AL. (USP# 5,517,153)**

In item 3, on page 2 of the Office Action, claims 1, 3-7 and 9-18 are rejected under 35 U.S.C. 102 as being anticipated by Yin et al. (USP# 5,517,153).

The present invention as recited, for example, in claim 1 as amended herein relates to a power supply control device comprising "a switching unit cutting off power supplied by said first power supply input terminal via the interface power supply, and activating a power supplied by said second power supply input terminal via the AC adaptor if the input to said second power supply input terminal is above the predetermined value even if the input to said first power supply input terminal via the interface power supply is present."

As indicated in our previous response, Yin discloses a power supply isolation and switching circuit formed in a semiconductor structure which eliminates a parasitic diode effect. In column 3, lines 43-57, Yin discloses a switching circuit 40 which compares the voltage level of a primary power supply, such as the rechargeable battery 42 or the line voltage 43 against a reference voltage level. The primary power supply voltage  $V_{cc}$  can be either a large rechargeable battery or line voltage, and known circuits may be used to select which is provided as  $V_{cc}$ , depending on the availability of the line voltage. When the voltage of the primary power supply is higher than the reference voltage, the switching circuit connects the primary power supply to the system 32. Otherwise, the switching circuit 40 connects the back-up battery 44 to the system 32. When the primary power supply is providing power to the system 32, the switching circuit 40 prevents the back-up battery 44 from unnecessarily draining its current through the switching circuit 40.

Thus, Yin discloses a switching system having the rechargeable battery 42 and the back-

up battery 44, in which the back-up battery 44 is supplied **only** when the rechargeable battery 42 voltage becomes lower than a reference voltage.

However, Yin fails to disclose or suggest a switching circuit configured such that supplied power is received with **priority** from an AC adaptor when the AC adaptor is present, even if an interface power supply is present. In other words, for example, Yin fails to disclose or suggest that the back-up battery 44 is supplied with priority.

Therefore, Yin fails to disclose or suggest the features recited in claim 1 of the present application.

Similar to claim 1, claim 7 recites "a switch unit which cuts off a power supply from said first power supply input terminal via the interface power supply and activates a power supply from said second power supply input terminal via the AC adaptor when the input from said second power supply input terminal is above the predetermined value according to said power supply input detection unit even if the input to said first power supply input terminal via the interface power supply is present," which distinguishes over the cited prior art.

Claim 15 recites "a switching unit cutting off power supplied by said first input terminal via the interface power supply and activating a power supplied by said second input terminal via the AC adaptor if the input to said second input terminal is above the predetermined value even if the input to said first power supply input terminal via the interface power supply is present," which distinguishes over the cited prior art.

Claim 16 recites "switching off power supplied by the first input terminal via the interface power supply and activating a power supplied by the second input terminal via the AC adaptor if the input to the second input terminal is above the predetermined value even if the input to said first power supply input terminal via the interface power supply is present," which distinguishes over the cited prior art.

Claim 17 recites "a switching unit to cut off power supplied by the first input terminal via the interface power supply and activating a power supplied by the second input terminal via the adaptor if the input to said second input terminal is above a predetermined value even if the input to the first power supply input terminal via the interface power supply is present," which distinguishes over the cited prior art.

Claim 18 recites "cutting off power supplied by the first input terminal via the interface power supply and activating a power supplied by the second input terminal via the adaptor if the

input to the second input terminal is above a predetermined value even if the input to the first power supply input terminal via the interface power supply is present," which distinguishes over the cited prior art.

Claims 3-6 and claims 9-14 depend from claims 1 and 7, respectively. Therefore, for at least the reasons that claims 1 and 7 distinguish over the cited prior art, it is respectfully submitted that claims 3-6 and 9-14 also distinguish over the cited prior art.

In view of the above, it is respectfully submitted that the rejection is overcome.

### III. CONCLUSION

In view of the foregoing amendments and remarks, it is respectfully submitted that each of the claims patentably distinguishes over the prior art, and therefore defines allowable subject matter. A prompt and favorable reconsideration of the rejection along with an indication of allowability of all pending claims are therefore respectfully requested.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**IN THE CLAIMS:**

Please AMEND the claims in accordance with the following:

1. (TWICE AMENDED) A power supply control device comprising:
  - a first power supply input terminal to which a power supply is provided via an interface power supply;
  - a second power supply input terminal to which a power supply is provided via an AC adaptor;
  - a power supply input detection unit determining whether an input of said second power supply input terminal is above a predetermined value;
  - a switching unit cutting off power supplied by said first power supply input terminal via the interface power supply, and activating a power supplied by said second power supply input terminal via the AC adaptor if the input to said second power supply input terminal is above the predetermined value even if the input to said [second] first power supply input terminal via the interface power supply is present; and
  - a power supply processor processing the power supplied by one of said first or second power supply input terminals.
  
7. (TWICE AMENDED) An information processing device having an interface which receives or transmits information to and from another information processing device and a power supply control device to which a predetermined power supply is provided, comprising:
  - a first power supply input terminal to which a power supply is provided via said interface power supply;
  - a second power supply input terminal to which a power supply is provided via an AC adaptor;
  - a power supply input detection unit which detects an instance when the input of said second power supply input terminal via the AC adaptor is above a predetermined value;
  - a switch unit which cuts off a power supply from said first power supply input terminal via the interface power supply and activates a power supply from said second power supply input terminal via the AC adaptor when the input from said second power supply input terminal is

above the predetermined value according to said power supply input detection unit even if the input to said [second] first power supply input terminal via the interface power supply is present; and

a power supply processor which, for the predetermined power supply, processes the power supply supplied via said first or second power supply input terminals.

15. (TWICE AMENDED) A power supply control device comprising:

a first power supply input terminal to which a power supply is provided via an interface power supply;

a second power supply input terminal to which a power supply is provided via an AC adaptor;

a detection unit determining whether an input of said second power supply input terminal is above a predetermined value; and

a switching unit cutting off power supplied by said first input terminal via the interface power supply and activating a power supplied by said second input terminal via the AC adaptor if the input to said second input terminal is above the predetermined value even if the input to said [second] first power supply input terminal via the interface power supply is present.

16. (TWICE AMENDED) A method of controlling a power supply control device comprising:

providing a power supply to first and second power supply input terminals via an interface power supply and AC adaptor, respectively;

determining whether an input of the second power supply input terminal via the AC adaptor is above a predetermined value; and

switching off power supplied by the first input terminal via the interface power supply and activating a power supplied by the second input terminal via the AC adaptor if the input to the second input terminal is above the predetermined value even if the input to said [second] first power supply input terminal via the interface power supply is present.

17. (ONCE AMENDED) A power supply control device, comprising:

a first and second power supply input terminal to which a power supply is provided via an interface power supply and adaptor, respectively; and

a switching unit to cut off power supplied by the first input terminal via the interface

power supply and activating a power supplied by the second input terminal via the adaptor if the input to said second input terminal is above a predetermined value even if the input to the [second] first power supply input terminal via the interface power supply is present.

18. (ONCE AMENDED) A method of controlling a power supply control device comprising:

providing a power supply to first and second power supply input terminals via an interface power supply and adaptor, respectively; and

cutting off power supplied by the first input terminal via the interface power supply and activating a power supplied by the second input terminal via the adaptor if the input to the second input terminal is above a predetermined value even if the input to the [second] first power supply input terminal via the interface power supply is present.